

LONDON- WEST MIDLANDS ENVIRONMENTAL STATEMENT

Volume 5 | Technical Appendices

CFA2 | Camden Town and HS1 Link
Construction assessment (SV-003-002)
Sound, noise and vibration

November 2013

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Department
for Transport

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1 Introduction

- 1.1.1 The sound, noise and vibration appendices comprise four sections. The first of these is an introduction to the relevant route-wide methodology, assumptions and assessment (Volume 5: Appendix SV-001-000). This relates to the sound, noise and vibration assessment for all community forum areas (CFA).
- 1.1.2 For the Camden Town and HS1 Link community forum area (CFA 02), the other three sections are as follows:
- baseline sound, noise and vibration (Volume 5: Appendix SV-002-002);
 - construction sound, noise and vibration (Volume 5: Appendix SV-003-002) (this appendix); and
 - operational sound, noise and vibration (Volume 5: Appendix SV-004-002).
- 1.1.3 The outcomes of the assessment are summarised in Volume 2: CFA Report 02, Camden Town and HS1 Link (CFA Report 02), Section 11.
- 1.1.4 Maps referred to throughout the sound, noise and vibration appendices are contained in the Volume 5, Sound, Noise and Vibration Map Book.
- 1.1.5 This appendix presents the likely noise and vibration impacts, effects and significant effects arising from the construction of the Proposed Scheme for the Camden Town and HS1 Link area on:
- people, primarily where they live ('residential receptors') in terms of:
 - individual dwellings;
 - on a wider community basis, including any shared community open areas; and
 - community facilities such as schools, hospitals, places of worship, and also commercial properties such as offices and hotels, collectively described as 'non-residential receptors' and 'quiet areas'.
- 1.1.6 The assessment of likely impacts, effects and significant effects from construction noise and vibration on agricultural, community, ecological or heritage receptors and the assessment of tranquillity are presented in the following documents within Volume 5:
- | | |
|-----------------------------------|---------------------|
| • Agriculture, forestry and soils | Appendix AG-001-002 |
| • Community | Appendix CM-001-002 |
| • Ecology | Appendix EC-005-002 |
| • Heritage | Appendix CH-003-002 |
| • Landscape and Visual | Appendix LV-001-002 |

1.2 Evaluation of impacts and effects

- 1.2.1 This appendix provides a quantitative assessment of construction noise and vibration impacts/effects and a qualitative assessment of likely significant effects, based on the impacts/effects identified and other local context information consistent with the scope and methodology defined for the Proposed Scheme.
- 1.2.2 Indirect effects arising from temporary changes in traffic patterns on the existing road network as a consequence of constructing the Proposed Scheme are also reported in this appendix, where they will occur within the study area (as defined in Volume 5: Appendix SV-001-000).
- 1.2.3 In undertaking the assessment of sound and vibration, consistent with Environmental Impact Assessment (EIA) Regulations and emerging National Planning Practice Guidance¹ a differentiation between impacts effects, adverse effects and significant effects is made. Further information is provided in Volume 5: Appendix SV-001-000.
- 1.2.4 The assessment of impacts and effects has been undertaken at assessment locations that are representative of a number of dwellings or other sensitive receptors. The assessment locations employed in this assessment are presented in the SV-03 Map Series (Volume 5, Sound, Noise and Vibration Map Book).

¹ Information is provided in the Department for Communities and Local Government's emerging National Planning Practice Guidance – Noise <http://planningguidance.planningportal.gov.uk>, (refer to the noise exposure hierarchy), as available on 14th October 2013.

2 Scope, assumptions and limitations

2.1 Regional and local policy guidance

2.1.1 The policy framework for sound, noise and vibration is set out in Volume 1 and in Volume 5: Appendix SV-001-000. As part of the engagement with local authorities through the Planning Forum Sub Group - Acoustics, information regarding any specific local planning guidance in respect of noise and vibration has been requested. Whilst no information has been received for this study area via the Planning Forum Sub Group - Acoustics, the following local policy guidance on noise and vibration has been identified:

- The Camden Local Development Framework - Nov 2010.

2.1.2 This guidance has been considered as part of formulating the detailed application of the impact and significance criteria set out in Volume 5: Appendix SV-001-000.

2.2 Engagement

2.2.1 Details of engagement on a route-wide basis with the local and county authorities' Environmental Health Practitioners via the Planning Forum Sub Group - Acoustics, is set out in Volume 1.

2.2.2 Engagement with communities has been via the Community Forums, as set out in Volume 1. In respect of sound, noise and vibration the following discussions have taken place:

- general discussions in respect of local issues, including possible ways to avoid and mitigate the potential impacts of noise or vibration;
- September / October 2012: a specific presentation about sound, noise and vibration with discussion afterwards with one of the project team specialists;
- November / December 2012: specific request for the Community Forum regarding baseline sound monitoring locations;
- January / February 2013: feedback to the Community Forum on any proposed baseline monitoring locations; and
- verbal / written responses to questions and sound, noise and vibration.

2.3 Methodology

2.3.1 The methodology used for the assessment of airborne sound, ground-borne sound and vibration impacts and the determination of significant effects is defined in the Scope and Methodology Report (SMR) (Volume 5: Appendix CT-001-000/1). Further clarification regarding specific areas is presented in the SMR addendum (Volume 5: Appendix CT-001-000/2). Further information is contained in Volume 5: Appendix SV-001-000.

2.4 Assumptions

- 2.4.1 Route-wide assumptions are outlined in Volume 1 and are further detailed in Volume 5: Appendix SV-001-000. Local assumptions that apply to the assessment of construction sound noise and vibration within this area are set out in Volume 2: CFA Report 02.

2.5 Limitations

- 2.5.1 The route-wide limitations and the approach adopted to assure that they will not impact the robust assessment of sound, noise and vibration are presented in Volume 5: Appendix SV-001-000. No specific additional limitations are identified for this study area.

3 Environmental baseline

3.1 Existing baseline

- 3.1.1 Baseline sound level data has been collected at locations representative of the airborne sound-sensitive receptors. The existing and future baseline airborne sound levels derived from these measurements are given in Volume 5: Appendix SV-002-002. Details of the baseline data collection and the methodology are given in Volume 5: Appendix SV-001-000 and specifically for this study area in Volume 5: Appendix SV-002-002.

3.2 Future baseline

- 3.2.1 The assessment of noise from construction activities assumes a baseline year of 2017 which represents the period immediately prior to the start of the construction period. As a reasonable worst case, it has been assumed that no permanent change in baseline sound levels will occur between the existing baseline (2012/13) and the future baseline year of 2017. The assessment of noise from construction traffic assumes a baseline year of 2021, representative of the middle of the construction period when the construction traffic flows are expected to be at their peak. Further information can be found in the Traffic and Transport assessment (Volume 5: Appendix TR-001-000).

4 Effects arising during construction

4.1 Introduction

4.1.1 The assessment is reported first for ground-borne sound and vibration and then for airborne sound. Under each of these headings, the results of the quantitative identification of impacts and effects are presented. This is followed by the identification of significant effects and the evidence used to support these conclusions.

4.1.2 The structure of this assessment report is as follows:

- Avoidance and mitigation measures
- Quantitative identification of impact and effects
 - Ground-borne sound and vibration
 - residential
 - non-residential
 - Airborne sound
 - residential
 - non-residential
- Assessment of impacts and effects
 - residential receptors: direct effects – dwellings
 - residential receptors: direct effects – communities
 - residential receptors: indirect effects
 - non-residential receptors: direct effects
 - non-residential receptors: indirect effects
 - cumulative effects from the Proposed Scheme and other committed development

4.2 Avoidance and mitigation measures

4.2.1 These measures are set out in Volume 2: CFA Report 02.


4.3 Quantitative identification of impacts and effects

Ground-borne sound and vibration

4.3.1 No significant sources of ground-borne vibration associated with the construction activities within this area have been identified.

Airborne sound: direct impacts and effects

- 4.3.2 Activities associated with the construction phases of the Proposed Scheme will generate airborne noise. The assessment of the likely impacts and significant effects as a result of the construction noise has considered the effects on:
- residential receptors, both as individual dwellings and communities; and
 - non-residential receptors, including quiet areas.
- 4.3.3 For each type of receptor, subject to the screening distances identified, and based upon supplied plant information from engineers, the typical and highest monthly $L_{pAeq,T}$ noise levels from construction activities have been calculated at the façade of all assessment locations, which are representative of a number of receptors in the study area.
- 4.3.4 Volume 2: CFA Report 02 makes reference to any major construction activity during the evening and at night but the assessment has also considered the minor essential activities that will have to operate on a 24/7 basis for reasons of safety and engineering practicability (e.g. water pumps).
- 4.3.5 The assessment results, impact criteria and significance criteria for the assessment of the scheme at residential and non-residential receptors are presented in Table 1 and Table 2 respectively
- 4.3.6 The construction activity resulting in highest forecast noise levels is reported in Table 1 and Table 2 for each assessment location and time period, where the highest forecast noise level from any individual construction activity is above $L_{pAeq,T}$ 40dB during the daytime and evening periods and $L_{pAeq,T}$ 35dB during the night-time. Where the highest forecast noise level from any individual construction activity is less than $L_{pAeq,T}$ 40dB during the daytime and evening or $L_{pAeq,T}$ 35dB during the night-time no activities have been reported.
- 4.3.7 Explanation of the information within Table 1 and Table 2 is provided in Volume 5: Appendix SV-001-000, with the following additional notes:

 Where the significant effect column is highlighted in pink, then a significant effect is identified at the referenced community, or individual non-residential receptor

- * Significant effect – the quantitative impact methodology has identified either:
 - 1) no impact at this receptor but further information (see assessment) has identified that a significant effect is nonetheless likely; or
 - 2) an impact at this receptor which, based upon further qualitative receptor information, (see assessment text) does not give rise to a significant effect.
- ~ Significant effect - impacted dwellings which are either spatially remote from larger defined residential areas, or a small number of dwellings whose impact is not considered to represent the larger defined residential area, and as such are not considered to be part of a community significant effect.
- A Type of effect – adverse effect

S	Type of effect – significant adverse effect
NA	Type of effect – not generally an adverse effect
B	Type of effect – for non-residential receptors further detail about the type of effect is set out in the text of Volume 5: Appendix SV-001-000
R	Type of receptor - residential
G	Type of receptor: (G1) theatres, large auditoria and concert halls; (G2) sound recording and broadcast studios; (G3) places of meeting for religious worship, courts, cinemas, lecture theatres, museums and small auditoria or halls; (G4) schools, colleges, hospitals, hotels and libraries; or (G5) offices and general commercial premises.
T	Receptor design – typical
S	Receptor design - special
H	Existing environment – high existing ambient noise levels: daytime level more than 75dB, evening-time level more than 65dB or night-time level more than 55dB L_{pAeq} at the façade.
NI	Mitigation effect - identified as likely to qualify for noise insulation under the draft Construction Code of Practice (draft CoCP).
D,E,N	Impact duration (months) – duration of impact during the day (D), evening (E) or night (N).

Table 1: Assessment of construction noise at residential receptors

Assessment location		Impact criteria				Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L_{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect		
		Day 0700-1900	Evening 1900-2300	Night 2300-0700												
520515	Camden Lock Place, London	74/76 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: bridge number 1 Chalk Farm Road underbridge north - site preparation works.	NA	15	R	T	H	-	-	-	-		
524286	Delancey Street, London	65/79 [B]	<40/<40 [C]	<35/41 [>C]	Day: utility trenching - utility works on each utility corridor; and Night: bridge construction - removal of bridge deck.	S	80	R	T	H	-	-	D 1	^	* ²	
529961	Castlehaven Road, London	80/81 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: Chalk Farm viaduct - site preparation works.	S	2	R	T	H	-	-	D 3	NI	CSV02-D01	
530427	Water Lane, London	48/58 [B]	<40/<40 [>C]	<35/<35 [>C]	Day: North London Line viaduct - site preparation works.	NA	1	R	T	H	-	-	-	-		
530457	Camden Gardens, London	52/61 [C]	<40/<40 [>C]	<35/<35 [>C]	Day: bridge number 29 A400 Camden Street underbridge - finishes.	NA	14	R	T	H	-	-	-	-		
546701	Camden Street, London	60/70 [C]	<40/<40 [>C]	<35/<35 [>C]	Day: bridge number 29 A400 Camden Street underbridge - finishes.	NA	7	R	T	H	-	-	-	-		
546786	Camden Gardens,	53/63 [C]	<40/<40 [>C]	<35/<35 [>C]	Day: bridge number 29 A400 Camden Street underbridge - finishes.	NA	30	R	T	H	-	-	-	-		

² For further assessment discussion at this location see Volume 5: SV-003-001.

Assessment location		Impact criteria				Significance criteria									Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect	
		Day 0700-1900	Evening 1900-2300	Night 2300-0700											
	London														
700000	Regents Park Road, London	66/75 [A]	<40/<40 [C]	<35/37 [>C]	Day: tunnel boring machine dismantle - tunnel boring machine dismantle; and Night: bridge construction - removal of bridge deck.	S	46	R	T	H	-	-	D 8	NI ^	CSV02-Co8
700003	Juniper Crescent, London	88/89 [B]	<40/<40 [C]	<35/<35 [>C]	Day: diaphragm wall.	S	17	R	T	H	-	-	D 6	NI ^	CSV02-Co7
700004	Juniper Crescent, London	78/85 [B]	<40/<40 [C]	<35/<35 [>C]	Day: diaphragm wall.	S	18	R	T	H	-	-	D 14	NI ^	CSV02-Co7
700005	Juniper Crescent, London	76/85 [B]	<40/<40 [C]	<35/<35 [>C]	Day: tunnel portal worksite access route - demolition works.	S	15	R	T	H	-	-	D 10	NI ^	CSV02-Co7
700006	Camden Street, London	56/64 [B]	<40/<40 [>C]	<35/<35 [>C]	Day: bridge number 29 A400 Camden Street underbridge - site preparation works (phase 1).	NA	10	R	T	H	-	-	-	-	
700002	Ivor Street, London	43/53 [A]	<40/<40 [C]	<35/<35 [>C]	Day: Camden Road station viaduct - finishes.	NA	11	R	T	H	-	-	-	-	
700008	Ivor Street, London	48/59 [A]	<40/<40 [C]	<35/<35 [>C]	Day: Camden Road station viaduct - finishes.	NA	6	R	T	H	-	-	-	-	

Assessment location		Impact criteria				Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect		
		Day 0700-1900	Evening 1900-2300	Night 2300-0700												
700009	Royal College Street, London	42/53 [A]	<40/<40 [C]	<35/<35 [>C]	Day: Camden Road station viaduct - finishes.	NA	17	R	T	H	-	-	-	-		
700010	Royal College Street, London	51/63 [A]	<40/<40 [C]	<35/<35 [>C]	Day: Camden Road station viaduct - finishes.	NA	5	R	T	H	-	-	-	-		
700011	Camden Road, London	69/80 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: number 71 A503 Camden Road north underbridge - site preparation works.	S	50	R	T	H	-	-	D 2	NI ^	CSV02-Co1	
700012	Rousden Street, London	62/70 [B]	<40/<40 [C]	<35/<35 [>C]	Day: North London Line viaduct - construction works - substructure.	NA	16	R	T	H	-	-	-	-		
700013	Royal College Street, London	58/65 [B]	<40/<40 [C]	<35/<35 [>C]	Day: North London Line viaduct - finishes.	NA	20	R	T	H	-	-	-	-		
700014	Baynes Street, London	71/79 [B]	<40/<40 [>C]	<35/<35 [>C]	Day: number 83 Randolph Street south underbridge - site preparation works.	S	27	R	T	H	-	-	D 3	NI ^	CSV02-Co3	
700015	Baynes Street, London	67/79 [B]	<40/<40 [>C]	<35/<35 [>C]	Day: number 83 Randolph Street south underbridge - site preparation works.	S	21	R	T	H	-	-	D 7	NI ^	CSV02-Co2	
700016	Randolph Street, London	67/82 [A]	<40/<40 [B]	<35/<35 [>C]	Day: number 83 Randolph Street north underbridge - site preparation works.	S	9	R	T	H	-	-	D 6	NI ^	CSV02-Co3	
700017	St. Pancras Way, London	57/68 [A]	<40/<40 [C]	<35/<35 [>C]	Day: North London Line viaduct - construction works - substructure.	A	15	R	T	H	-	-	D 10	-	CSV02-Co2	
700018	Baynes Street,	85/89	<40/<40	<35/<35	Day: bridge number 95 Baynes Street south	S	18	R	T	H	-	-	D 11	NI ^	CSV02-	

Assessment location		Impact criteria				Significance criteria									Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect	
		Day 0700-1900	Evening 1900-2300	Night 2300-0700											
	London	[C]	[>C]	[>C]	underbridge - site preparation works.										Co2
700019	Wrotham Road, London	72/75 [B]	<40/<40 [C]	<35/<35 [>C]	Day: bridge number 94 A5205 St Pancras Way/Baynes Street - site preparation works.	S	22	R	T	H	-	-	D 18	NI ^	CSV02-Co2
700021	Agar Place, London	51/62 [A]	<40/<40 [B]	<35/<35 [C]	Day: bridge 96 St Pancras Way underbridge - finishes.	NA	4	R	T	-	-	-	-	-	
700023	Barker Drive, London	47/57 [A]	<40/<40 [B]	<35/<35 [>C]	Day: bridge number 94 A5205 St Pancras Way/Baynes Street - site preparation works.	NA	68	R	T	H	-	-	-	-	
700024	Barker Drive, London	50/62 [A]	<40/<40 [B]	<35/<35 [>C]	Day: Camley Street main site - demolition of building.	NA	20	R	T	H	-	-	-	-	
700025	Wrotham Road, London	50/64 [A]	<40/<40 [B]	<35/<35 [>C]	Day: Camley Street main site - demolition of building.	NA	154	R	T	H	-	-	-	-	
700026	Barker Drive, London	54/69 [A]	<40/<40 [B]	<35/<35 [>C]	Day: Camley Street main site - demolition of building.	A	48	R	T	H	-	-	D 3	-	*
700027	St. Pauls Crescent, London	47/59 [A]	<40/<40 [B]	<35/<35 [>C]	Day: Camley Street main site - vegetation clearance.	NA	88	R	T	H	-	-	-	-	
700028	Maiden Lane, London	41/53 [A]	<40/<40 [C]	<35/<35 [>C]	Day: demolition - demolition of buildings in the station approach.	NA	135	R	T	H	-	-	-	-	
700029	Allensbury	<40/50	<40/<40	<35/<35	Day: demolition - demolition of buildings in the	NA	61	R	T	H	-	-	-	-	

Assessment location		Impact criteria				Significance criteria									Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect	
		Day 0700-1900	Evening 1900-2300	Night 2300-0700											
	Place, London	[A]	[B]	[>C]	station approach.										
700030	Rufford Street, London	41/53 [A]	<40/<40 [B]	<35/35 [C]	Day: demolition - demolition of buildings in the station approach; and Night: bridge construction - installation of temp supports, trusses and precast planks.	NA	61	R	T	-	-	-	-	-	
700031	Rufford Street, London	<40/52 [A]	<40/<40 [B]	<35/<35 [C]	Day: demolition - demolition of buildings in the station approach.	NA	4	R	T	-	-	-	-	-	
700033	Juniper Crescent, London	73/84 [A]	<40/<40 [C]	<35/<35 [>C]	Day: diaphragm wall.	S	12	R	T	H	-	-	D 22	NI ^	CSV02-Co7
700035	Chalk Farm Road, London	83/85 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: bridge number 1 Chalk Farm Road underbridge north - site preparation works.	S	31	R	T	H	-	-	D 9	NI ^	CSV02-Co4
700036	Castlehaven Road, London	63/69 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: bridge number 1 Chalk Farm Road underbridge north - construction works - substructure.	NA	1	R	T	H	-	-	-	-	
700037	Castlehaven Road, London	71/77 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: Chalk Farm viaduct - site preparation works.	NA	2	R	T	H	-	-	-	-	
700038	Hawley Crescent, London	41/52 [A]	<40/<40 [C]	<35/<35 [>C]	Day: bridge number 1 Chalk Farm Road underbridge north - construction works - substructure.	NA	4	R	T	H	-	-	-	-	

Assessment location		Impact criteria				Significance criteria									Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect	
		Day 0700-1900	Evening 1900-2300	Night 2300-0700											
700039	Castlehaven Road, London	42/54 [B]	<40/<40 [C]	<35/<35 [>C]	Day: Chalk Farm viaduct - site preparation works.	NA	8	R	T	H	-	-	-	-	
700040	Hawley Road, London	45/58 [A]	<40/<40 [C]	<35/<35 [>C]	Day: Camden Road station viaduct - general.	NA	5	R	T	H	-	-	-	-	
700043	Bonny Street, London	51/64 [A]	<40/<40 [C]	<35/<35 [>C]	Day: number 72 A503 Camden Road south bridge - site preparation works.	NA	19	R	T	H	-	-	-	-	
700083	Chalk Farm Road, London	48/60 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: diaphragm wall.	NA	8	R	T	H	-	-	-	-	
700131	Gilbeys Yard, London	<40/50 [A]	<40/<40 [C]	<35/<35 [>C]	Day: tunnel portal worksite access route - demolition works.	NA	58	R	T	H	-	-	-	-	
700132	Gilbeys Yard, London	<40/52 [A]	<40/<40 [C]	<35/<35 [>C]	Day: tunnel portal worksite access route - demolition works.	A	75	R	T	H	-	-	D 6	-	
700133	Oval Road, London	42/55 [A]	<40/44 [C]	<35/39 [>C]	Day: tunnel portal worksite access route - demolition works; Evening: tunnel portal worksite access route - demolition works; and Night: bridge construction - removal of bridge deck.	NA	1	R	T	H	-	-	-	-	
700134	Oval Road, London	45/58 [A]	<40/<40 [C]	<35/37 [>C]	Day: portal worksite access route - demolition works; and Night: bridge construction - removal of bridge	NA	1	R	T	H	-	-	-	-	

Assessment location		Impact criteria				Significance criteria									Significant effect
ID	Area represented	Typical/highest monthly outdoor L_{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect	
		Day 0700-1900	Evening 1900-2300	Night 2300-0700											
					deck.										
700135	Oval Road, London	52/65 [A]	<40/<40 [C]	<35/36 [>C]	Day: portal worksite access route - demolition works; and Night: bridge construction - removal of bridge deck.	NA	185	R	T	H	-	-	-	-	
700136	Gloucester Crescent, London	<40/<40 [A]	<40/<40 [C]	<35/<35 [>C]		NA	1	R	T	H	-	-	-	-	
700143	Parkway, Camden Town With Primrose Hill	<40/40 [C]	<40/<40 [>C]	<35/<35 [>C]		NA	1	R	T	H	-	-	-	-	
700144	Parkway, London	62/64 [A]	<40/<40 [C]	<35/<35 [>C]	Day: utility trenching - utility works on each utility corridor.	NA	1	R	T	H	-	-	-	-	
700145	Buck Street, London	<40/40 [C]	<40/<40 [>C]	<35/<35 [>C]	Day: number 72 A503 Camden Road south bridge - site preparation works.	NA	44	R	T	H	-	-	-	-	
700146	Hawley Crescent, London	41/50 [C]	<40/<40 [>C]	<35/<35 [>C]	Day: bridge number 29 A400 Camden Street underbridge - finishes.	NA	32	R	T	H	-	-	-	-	
700148	Hawley Road, London	41/52 [A]	<40/<40 [C]	<35/<35 [>C]	Day: diaphragm wall.	NA	6	R	T	H	-	-	-	-	

Assessment location		Impact criteria				Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect		
		Day 0700-1900	Evening 1900-2300	Night 2300-0700												
700157	Castlehaven Road, London	<40/44 [A]	<40/<40 [C]	<35/<35 [>C]	Day: demolition - demolition of buildings in the station approach.	NA	207	R	T	H	-	-	-	-		
700158	Castlehaven Road, London	43/54 [A]	<40/<40 [C]	<35/<35 [>C]	Day: North London Line viaduct - site preparation works.	NA	16	R	T	H	-	-	-	-		
700160	Kentish Town Road, London	61/70 [C]	<40/<40 [>C]	<35/<35 [>C]	Day: bridge number 29 A400 Camden Street underbridge - site preparation works (phase 1).	NA	53	R	T	H	-	-	-	-		
700167	Hartland Road, London	<40/42 [A]	<40/<40 [C]	<35/<35 [>C]	Day: tunnel portal worksite access route - demolition works.	NA	81	R	T	H	-	-	-	-		
700175	Camden Street, London	40/52 [C]	<40/<40 [>C]	<35/37 [>C]	Day: demolition - demolition of buildings in the station approach; and Night: bridge construction - installation of temp supports, trusses and precast planks.	NA	1	R	T	H	-	-	-	-		
700178	Royal College Street, London	51/63 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: number 72 A503 Camden Road south bridge - site preparation works.	NA	26	R	T	H	-	-	-	-		
700179	Royal College Street, London	43/52 [C]	<40/<40 [>C]	<35/<35 [>C]	Day: number 72 A503 Camden Road south bridge - site preparation works.	NA	38	R	T	H	-	-	-	-		
700180	Camden Road, London	52/66 [C]	<40/<40 [>C]	<35/<35 [>C]	Day: number 72 A503 Camden Road south bridge - site preparation works.	NA	26	R	T	H	-	-	-	-		
700181	Lyme Street, London	<40/47 [C]	<40/<40 [>C]	<35/<35 [>C]	Day: North London Line viaduct - finishes.	NA	100	R	T	H	-	-	-	-		

Assessment location		Impact criteria				Significance criteria									Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect	
		Day 0700-1900	Evening 1900-2300	Night 2300-0700											
700182	Jamestown Road, London	<40/49 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: bridge number 1 Chalk Farm Road underbridge north - construction works - substructure.	NA	98	R	T	H	-	-	-	-	
700185	Royal College Street, London	<40/47 [A]	<40/<40 [B]	<35/<35 [C]	Day: bridge number 94 A5205 St Pancras Way/Baynes Street - site preparation works.	NA	19	R	T	-	-	-	-	-	
700193	Royal College Street, London	<40/48 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: Camden Road station viaduct - finishes.	NA	40	R	T	H	-	-	-	-	
700194	Rochester Mews, London	40/49 [A]	<40/<40 [B]	<35/<35 [C]	Day: demolition - demolition of buildings in the station approach.	NA	2	R	T	-	-	-	-	-	
700195	St. Pancras Way, London	<40/48 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: Camden Road station viaduct - finishes.	NA	36	R	T	H	-	-	-	-	
700196	Jeffreys Street, London	42/53 [A]	<40/<40 [C]	<35/<35 [>C]	Day: bridge number 29 A400 Camden Street underbridge - site preparation works (phase 1).	NA	56	R	T	H	-	-	-	-	
700198	Jeffreys Place, London	45/56 [A]	<40/<40 [C]	<35/<35 [>C]	Day: bridge number 29 A400 Camden Street underbridge - site preparation works (phase 1).	NA	14	R	T	H	-	-	-	-	
700199	Royal College Street, London	42/52 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: Camden Road station viaduct - finishes.	NA	8	R	T	H	-	-	-	-	
700200	Farrier Street, London	41/52 [A]	<40/<40 [C]	<35/<35 [>C]	Day: North London Line viaduct - site preparation works.	NA	144	R	T	H	-	-	-	-	

Assessment location		Impact criteria				Significance criteria									Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect	
		Day 0700-1900	Evening 1900-2300	Night 2300-0700											
700201	Royal College Street, London	<40/44 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: Camden Road station viaduct - finishes.	NA	72	R	T	H	-	-	-	-	
700203	Rochester Place, London	<40/43 [A]	<40/<40 [C]	<35/<35 [>C]	Day: North London Line viaduct - site preparation works.	NA	157	R	T	H	-	-	-	-	
700206	Kentish Town Road, London	<40/44 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: demolition - demolition of buildings in the station approach.	NA	57	R	T	H	-	-	-	-	
700207	Rochester Road, London	<40/40 [A]	<40/<40 [C]	<35/<35 [>C]	Day: North London Line viaduct - site preparation works.	NA	73	R	T	H	-	-	-	-	
700210	Bartholomew Road, London	<40/41 [A]	<40/<40 [C]	<35/<35 [>C]	Day: North London Line viaduct - site preparation works.	NA	42	R	T	H	-	-	-	-	
700211	Bartholomew Road, London	<40/41 [A]	<40/<40 [C]	<35/<35 [>C]	Day: North London Line viaduct - site preparation works.	NA	32	R	T	H	-	-	-	-	
700212	Camden Road, London	<40/43 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: Camley Street main site - demolition of building.	NA	37	R	T	H	-	-	-	-	
700214	Camden Road, London	<40/42 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: Camley Street main site - demolition of building.	NA	14	R	T	H	-	-	-	-	
700215	St. Pancras Way, London	50/58 [C]	<40/<40 [>C]	<35/<35 [>C]	Day: bridge number 94 A5205 St Pancras Way/Baynes Street - site preparation works.	NA	36	R	T	H	-	-	-	-	
700216	Rochester Square,	<40/42	<40/<40	<35/<35	Day: Camley Street main site - demolition of	NA	7	R	T	H	-	-	-	-	

Assessment location		Impact criteria				Significance criteria									Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect	
		Day 0700-1900	Evening 1900-2300	Night 2300-0700											
	Cantelowes	[B]	[>C]	[>C]	building.										
700217	Rochester Square, London	<40/47 [A]	<40/<40 [B]	<35/<35 [C]	Day: Camley Street main site - demolition of building.	NA	13	R	T	-	-	-	-	-	
700218	Rochester Square, London	<40/46 [A]	<40/<40 [B]	<35/<35 [C]	Day: Camley Street main site - demolition of building.	NA	63	R	T	-	-	-	-	-	
700219	Agar Grove, London	42/55 [B]	<40/<40 [>C]	<35/<35 [>C]	Day: Camley Street main site - demolition of building.	NA	23	R	T	H	-	-	-	-	
700223	Murray Street, London	<40/52 [A]	<40/<40 [B]	<35/<35 [C]	Day: Camley Street main site - demolition of building.	NA	109	R	T	-	-	-	-	-	
700225	St. Augustines Road, London	<40/46 [A]	<40/<40 [B]	<35/<35 [C]	Day: Camley Street main site - demolition of building.	NA	152	R	T	-	-	-	-	-	
700228	Agar Grove, London	<40/45 [B]	<40/<40 [>C]	<35/<35 [>C]	Day: Camley Street main site - demolition of building.	NA	76	R	T	H	-	-	-	-	
700232	Agar Grove, London	53/65 [A]	<40/<40 [B]	<35/<35 [C]	Day: Camley Street main site - demolition of building.	NA	1	R	T	-	-	-	-	-	
700234	Agar Grove, London	49/62 [A]	<40/<40 [B]	<35/<35 [C]	Day: bridge number 94 A5205 St Pancras Way/Baynes Street - site preparation works.	NA	1	R	T	-	-	-	-	-	
700236	Springbank Walk, London	50/64 [C]	<40/<40 [>C]	<35/<35 [>C]	Day: Camley Street main site - demolition of building.	NA	20	R	T	H	-	-	-	-	

Assessment location		Impact criteria				Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect		
		Day 0700-1900	Evening 1900-2300	Night 2300-0700												
700237	Springbank Walk, London	57/69 [A]	<40/<40 [B]	<35/<35 [C]	Day: Camley Street main site - demolition of building.	A	8	R	T	-	-	-	D ₃	-	*	
700238	Linkwood Walk, London	<40/51 [A]	<40/<40 [B]	<35/<35 [C]	Day: demolition - demolition of buildings in the station approach.	NA	1	R	T	-	-	-	-	-		
700239	St. Pauls Mews, London	41/53 [A]	<40/<40 [B]	<35/<35 [C]	Day: Camley Street main site - demolition of building.	NA	69	R	T	-	-	-	-	-		
700240	St. Pauls Mews, London	<40/46 [A]	<40/<40 [B]	<35/<35 [C]	Day: Camley Street main site - demolition of building.	NA	21	R	T	-	-	-	-	-		
700243	Maiden Lane, London	<40/40 [A]	<40/<40 [B]	<35/<35 [C]	Day: Camley Street main site - demolition of building.	NA	1	R	T	-	-	-	-	-		
700245	Elm Friars Walk, London	<40/46 [A]	<40/<40 [B]	<35/<35 [C]	Day: Camley Street main site - demolition of building.	NA	71	R	T	-	-	-	-	-		
700248	St. Pancras Way, London	44/54 [A]	<40/<40 [B]	<35/<35 [C]	Day: bridge g6 St Pancras Way underbridge - finishes.	NA	1	R	T	-	-	-	-	-		
700250	Bergholt Mews, London	<40/48 [A]	<40/<40 [B]	<35/<35 [C]	Day: bridge number 94 A5205 St Pancras Way/Baynes Street - site preparation works.	NA	1	R	T	-	-	-	-	-		
700251	Weavers Way, London	<40/47 [A]	<40/<40 [B]	<35/<35 [C]	Day: Camley Street main site - demolition of building.	NA	1	R	T	-	-	-	-	-		
700252	Crofters Way,	<40/46	<40/<40	<35/<35	Day: Camley Street main site - demolition of	NA	1	R	T	-	-	-	-	-		

Assessment location		Impact criteria				Significance criteria									Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect	
		Day 0700-1900	Evening 1900-2300	Night 2300-0700											
	London	[A]	[B]	[C]	building.										
700253	Crofters Way, London	41/54 [A]	<40/<40 [B]	<35/<35 [C]	Day: Camley Street main site - demolition of building.	NA	1	R	T	-	-	-	-	-	
700255	Wheeler Gardens, London	<40/40 [A]	<40/<40 [B]	<35/<35 [C]		NA	1	R	T	-	-	-	-	-	
700257	Bingfield Street, London	<40/42 [A]	<40/<40 [B]	<35/<35 [C]	Day: Camley Street main site - demolition of building.	NA	1	R	T	-	-	-	-	-	
700258	Wellington Square, London	41/53 [A]	<40/<40 [B]	<35/<35 [C]	Day: demolition - demolition of buildings in the station approach.	NA	1	R	T	-	-	-	-	-	
700260	Cowdenbeath Path, London	<40/<40 [A]	<40/<40 [B]	<35/<35 [C]		NA	1	R	T	-	-	-	-	-	
700261	Earlsferry Way, London	<40/52 [A]	<40/<40 [B]	<35/<35 [C]	Day: demolition - demolition of buildings in the station approach.	NA	1	R	T	-	-	-	-	-	
700262	Tayport Close, London	<40/50 [A]	<40/<40 [B]	<35/<35 [C]	Day: demolition - demolition of buildings in the station approach.	NA	1	R	T	-	-	-	-	-	
700263	Carnoustie Drive, Caledonian	<40/<40 [A]	<40/<40 [B]	<35/<35 [C]		NA	1	R	T	-	-	-	-	-	

Assessment location		Impact criteria				Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect		
		Day 0700-1900	Evening 1900-2300	Night 2300-0700												
700265	Outram Place, London	<40/<40 [A]	<40/<40 [B]	<35/<35 [C]		NA	1	R	T	-	-	-	-	-		
700266	York Way, London	42/54 [A]	<40/<40 [B]	<35/<35 [C]	Day: demolition - demolition of buildings in the station approach.	NA	1	R	T	-	-	-	-	-		
700267	Gifford Street, London	<40/<40 [A]	<40/<40 [B]	<35/<35 [C]		NA	1	R	T	-	-	-	-	-		
700396	Agar Grove, London	76/79 [A]	<40/<40 [B]	<35/<35 [C]	Day: Camley Street main site - demolition of building.	S	12	R	T	-	-	-	D 4	NI ^	CSV02-Co5	
700397	Camden Road, London	83/85 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: number 72 A503 Camden Road south bridge - site preparation works.	S	71	R	T	H	-	-	D 4	NI ^	CSV02-Co1	
700398	Camden Street, London	52/64 [C]	<40/<40 [>C]	<35/<35 [>C]	Day: bridge number 29 A400 Camden Street underbridge - site preparation works (phase 1).	NA	14	R	T	H	-	-	-	-		
700399	Kentish Town Road, London	66/73 [B]	<40/<40 [>C]	<35/<35 [>C]	Day: bridge number 29 A400 Camden Street underbridge - site preparation works (phase 1).	A	8	R	T	H	-	-	D 4	-	CSV02-Co6	
700400	Torbay Street, London	51/61 [A]	<40/<40 [C]	<35/<35 [>C]	Day: Camden Road station viaduct - general.	NA	2	R	T	H	-	-	-	-		
700401	Juniper Crescent, London	51/60 [A]	<40/<40 [C]	<35/<35 [>C]	Day: haul route movements - to and from road.	NA	12	R	T	H	-	-	-	-		

Assessment location		Impact criteria				Significance criteria									Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect	
		Day 0700-1900	Evening 1900-2300	Night 2300-0700											
709509	Bartholomew Road, London	<40/42 [A]	<40/<40 [C]	<35/<35 [>C]	Day: demolition - demolition of buildings in the station approach.	NA	23	R	T	H	-	-	-	-	
709510	Prince Of Wales Road, London	<40/48 [>C]	<40/<40 [>C]	<35/<35 [>C]	Day: demolition - demolition of buildings in the station approach.	NA	1	R	T	H	-	-	-	-	
710961	Arlington Road, London	41/55 [A]	<40/<40 [>C]	<35/38 [C]	Day: demolition - demolition of buildings in the station approach; and Night: bridge construction - installation of temp supports, trusses and precast planks.	NA	1	R	T	H	-	-	-	-	
710963	Camden High Street, London	<40/51 [A]	<40/<40 [C]	<35/<35 [>C]	Day: utility trenching - utility works on each utility corridor.	NA	1	R	T	H	-	-	-	-	
720234	Castlehaven Road, London	<40/48 [A]	<40/<40 [A]	<35/<35 [B]	Day: North London Line viaduct - site preparation works.	NA	1	R	T	-	-	-	-	-	
720235	Hawley Street, London	41/50 [A]	<40/<40 [A]	<35/<35 [B]	Day: bridge number 1 Chalk Farm Road underbridge north - construction works - substructure.	NA	33	R	T	-	-	-	-	-	
720238	Juniper Crescent, London	43/55 [A]	<40/<40 [A]	<35/<35 [B]	Day: diaphragm wall.	NA	41	R	T	-	-	-	-	-	
720239	Juniper Crescent, London	49/62 [A]	<40/<40 [A]	<35/<35 [B]	Day: tunnel portal worksite access route - demolition works.	NA	1	R	T	-	-	-	-	-	

Assessment location		Impact criteria				Significance criteria									Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect	
		Day 0700-1900	Evening 1900-2300	Night 2300-0700											
720241	Cedar Way, London	42/57 [A]	<40/<40 [A]	<35/<35 [B]	Day: Camley Street main site - demolition of building.	NA	1	R	T	-	-	-	-	-	
720242	Agar Grove, London	70/73 [A]	<40/<40 [A]	<35/<35 [B]	Day: Camley Street main site - demolition of building.	A	19	R	T	-	-	-	D 4	-	CSV02-Co5
720243	St. Pancras Way, London	<40/49 [A]	<40/<40 [A]	<35/<35 [B]	Day: bridge number 94 A5205 St Pancras Way/Baynes Street - site preparation works.	NA	19	R	T	-	-	-	-	-	
720244	St. Pancras Way, London	46/56 [A]	<40/<40 [A]	<35/36 [B]	Day: Camden Road station viaduct - finishes; and Night: bridge construction - installation of temp supports, trusses and precast planks.	NA	42	R	T	-	-	-	-	-	
720245	St. Pancras Way, London	51/61 [A]	<40/<40 [A]	<35/<35 [B]	Day: number 83 Randolph Street north underbridge - site preparation works.	NA	45	R	T	-	-	-	-	-	
720246	Agar Grove, London	59/70 [A]	<40/<40 [A]	<35/<35 [B]	Day: bridge number 94 A5205 St Pancras Way/Baynes Street - site preparation works.	A	16	R	T	-	-	-	D 4	-	CSV02-Co2
720247	Wrotham Road, London	63/73 [A]	<40/<40 [A]	<35/<35 [B]	Day: bridge number 94 A5205 St Pancras Way/Baynes Street - site preparation works.	A	5	R	T	-	-	-	D 5	-	CSV02-Co2
720248	Agar Grove, London	49/60 [A]	<40/<40 [A]	<35/<35 [B]	Day: number 83 Randolph Street north underbridge - site preparation works.	NA	111	R	T	-	-	-	-	-	
720249	Barker Drive, London	52/63 [A]	<40/<40 [A]	<35/<35 [B]	Day: bridge 96 St Pancras Way underbridge - finishes.	NA	1	R	T	-	-	-	-	-	

Assessment location		Impact criteria				Significance criteria									Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect	
		Day 0700-1900	Evening 1900-2300	Night 2300-0700											
720250	Agar Grove, London	48/61 [A]	<40/<40 [A]	<35/<35 [B]	Day: Camley Street main site - demolition of building.	NA	32	R	T	-	-	-	-	-	
720251	Cedar Way, London	47/63 [A]	<40/<40 [A]	<35/<35 [B]	Day: Camley Street main site - demolition of building.	NA	1	R	T	-	-	-	-	-	
720252	St. Pancras Way, London	52/60 [A]	<40/<40 [A]	<35/<35 [B]	Day: bridge number 94 A5205 St Pancras Way/Baynes Street - site preparation works.	NA	1	R	T	-	-	-	-	-	
720253	St. Pancras Way, London	55/66 [A]	<40/<40 [A]	<35/<35 [B]	Day: number 83 Randolph Street north underbridge - site preparation works.	A	46	R	T	-	-	-	D 2	-	CSV02-Co2
720254	Camden High Street, London	45/55 [A]	<40/<40 [A]	<35/<35 [B]	Day: demolition - demolition of buildings in the station approach.	NA	164	R	T	-	-	-	-	-	
898989	Albert Street, London	70/78 [A]	<40/<40 [C]	<35/36 [B]	Day: utility trenching - utility works on each utility corridor; and Night: bridge construction - installation of temp supports, trusses and precast planks.	S	63	R	T	-	-	-	D 1	^	*

Table 2: Assessment of construction noise at non-residential receptors

Assessment location		Impact criteria				Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect		
		Day 0700-1900	Evening 1900-2300	Night 2300-0700												
520515	Camden Lock Place, London	74/76	<40/<40	-	Day: bridge number 1 Chalk Farm Road underbridge north - site preparation works.	B	1	G3	T	H	-	-	-	-		
520515	Camden Lock Place, London	74/76	-	-	Day: bridge number 1 Chalk Farm Road underbridge north - site preparation works.	B	38	G5	T	H	-	-	-	-		
521054	Chalk Farm Road, London	63/72	-	-	Day: tunnel portal work site access route - demolition works.	B	29	G5	T	H	-	-	-	-		
524286	Delancey Street, London	65/79	<40/<40	-	Day: utility trenching - utility works on each utility corridor.	B	1	G3	T	H	-	-	D 2	-	* 3	
524286	Delancey Street, London	65/79	-	-	Day: utility trenching - utility works on each utility corridor.	B	17	G5	T	H	-	-	D 1	-	* 3	
529961	Castlehaven Road, London	80/81	-	-	Day: Chalk Farm viaduct - site preparation works.	B	1	G5	T	H	-	-	D 3	-	CSV02-No3	
529986	Chalk Farm Road, London	<40/52	-	-	Day: bridge number 1 Chalk Farm Road underbridge north - construction works - substructure.	B	1	G5	T	H	-	-	-	-		
530427	Water Lane, London	48/58	<40/<40	<35/<35	Day: North London Line viaduct - site preparation works.	B	1	G4	T	H	-	-	-	-		

³ For further assessment discussion at this location see Volume 5: SV-003-001.

Assessment location		Impact criteria				Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect		
		Day 0700-1900	Evening 1900-2300	Night 2300-0700												
530427	Water Lane, London	48/58	-	-	Day: North London Line viaduct - site preparation works.	B	7	G5	T	H	-	-	-	-		
530443	Kentish Town Road, London	52/63	-	-	Day: North London Line viaduct - construction works - substructure.	B	3	G5	T	H	-	-	-	-		
546701	Camden Street, London	60/70	-	-	Day: bridge number 29 A400 Camden Street underbridge - finishes.	B	1	G5	T	H	-	-	-	-		
700006	Camden Street, London	56/64	-	-	Day: bridge number 29 A400 Camden Street underbridge - site preparation works (phase 1).	B	1	G5	T	H	-	-	-	-		
700002	Ivor Street, London	43/53	-	-	Day: Camden Road station viaduct - finishes.	B	4	G5	T	H	-	-	-	-		
700009	Royal College Street, London	42/53	-	-	Day: Camden Road station viaduct - finishes.	B	4	G5	T	H	-	-	-	-		
700010	Royal College Street, London	51/63	-	-	Day: Camden Road station viaduct - finishes.	B	1	G5	T	H	-	-	-	-		
700011	Camden Road, London	69/80	-	-	Day: number 71 A503 Camden Road north underbridge - site preparation works.	B	15	G5	T	H	-	-	D 2	-	*	
700012	Rousden Street, London	62/70	-	-	Day: North London Line Viaduct - construction works - substructure.	B	3	G5	T	H	-	-	-	-		
700013	Royal College	58/65	-	-	Day: North London Line Viaduct - finishes.	B	6	G5	T	H	-	-	-	-		

Assessment location		Impact criteria				Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect		
		Day 0700-1900	Evening 1900-2300	Night 2300-0700												
	Street, London															
700014	Baynes Street, London	71/79	-	-	Day: no 83 Randolph Street south underbridge - site preparation works.	B	7	G5	T	H	-	-	D 3	-	CSV02-No1	
700015	Baynes Street, London	67/79	-	-	Day: no 83 Randolph Street south underbridge - site preparation works.	B	3	G5	T	H	-	-	D 7	-	CSV02-No1	
700017	St. Pancras Way, London	57/68	-	-	Day: North London Line Viaduct - construction works - substructure.	B	1	G5	T	H	-	-	-	-		
700022	Wrotham Road, London	47/57	-	-	Day: bridge g6 St Pancras Way underbridge - finishes.	B	1	G5	T	-	-	-	-	-		
700025	Wrotham Road, London	50/64	-	-	Day: Camley Street main site - demolition of building.	B	5	G5	T	H	-	-	-	-		
700026	Barker Drive, London	54/69	-	-	Day: Camley Street main site - demolition of building.	B	12	G5	T	H	-	-	-	-		
700027	St. Pauls Crescent, London	47/59	<40/<40	-	Day: Camley Street main site - vegetation clearance.	B	1	G3	T	H	-	-	-	-		
700027	St. Pauls Crescent, London	47/59	-	-	Day: Camley Street main site - vegetation clearance.	B	3	G5	T	H	-	-	-	-		

Assessment location		Impact criteria				Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect		
		Day 0700-1900	Evening 1900-2300	Night 2300-0700												
700029	Allensbury Place, London	<40/50	-	-	Day: demolition - demolition of buildings in the station approach.	B	5	G5	T	H	-	-	-	-		
700030	Rufford Street, London	41/53	-	-	Day: demolition - demolition of buildings in the station approach.	B	21	G5	T	-	-	-	-	-		
700031	Rufford Street, London	<40/52	-	-	Day: demolition - demolition of buildings in the station approach.	B	10	G5	T	-	-	-	-	-		
700032 ⁴	Juniper Crescent, London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
700035	Chalk Farm Road, London	83/85	-	-	Day: bridge number 1 Chalk Farm Road underbridge north - site preparation works.	B	11	G5	T	H	-	-	D 9	-	CSVo2-No2	
700037	Castlehaven Road, London	71/77	-	-	Day: Chalk Farm viaduct - site preparation works.	B	20	G5	T	H	-	-	-	-		
700038	Hawley Crescent, London	41/52	-	-	Day: bridge number 1 Chalk Farm Road underbridge north - construction works - substructure.	B	7	G5	T	H	-	-	-	-		
700039	Castlehaven Road, London	42/54	-	-	Day: Chalk Farm viaduct - site preparation works.	B	1	G5	T	H	-	-	-	-		

⁴ This Assessment Location was not considered representative and predicted noise levels from Assessment Location 720236 have been used.

Assessment location		Impact criteria				Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect		
		Day 0700-1900	Evening 1900-2300	Night 2300-0700												
700043	Bonny Street, London	51/64	-	-	Day: number 72 A503 Camden Road south bridge - site preparation works.	B	2	G5	T	H	-	-	-	-		
700083	Chalk Farm Road, London	48/60	-	-	Day: diaphragm wall.	B	7	G5	T	H	-	-	-	-		
700132	Gilbeys Yard, London	<40/52	-	-	Day: tunnel portal work site access route - demolition works.	B	20	G5	T	H	-	-	-	-		
700135	Oval Road, London	52/65	-	-	Day: tunnel portal work site access route - demolition works.	B	14	G5	T	H	-	-	-	-		
700145	Buck Street, London	<40/40	<40/<40	-	Day: number 72 A503 Camden Road south bridge - site preparation works.	B	1	G3	T	H	-	-	-	-		
700145	Buck Street, London	<40/40	<40/<40	<35/<35	Day: number 72 A503 Camden Road south bridge - site preparation works.	B	1	G4	T	H	-	-	-	-		
700145	Buck Street, London	<40/40	-	-	Day: number 72 A503 Camden Road south bridge - site preparation works.	B	30	G5	T	H	-	-	-	-		
700146	Hawley Crescent, London	41/50	<40/<40	<35/<35	Day: bridge number 29 A400 Camden Street underbridge - finishes.	B	1	G4	T	H	-	-	-	-		
700146	Hawley Crescent, London	41/50	-	-	Day: bridge number 29 A400 Camden Street underbridge - finishes.	B	23	G5	T	H	-	-	-	-		

Assessment location		Impact criteria				Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect		
		Day 0700-1900	Evening 1900-2300	Night 2300-0700												
700157	Castlehaven Road, London	<40/44	<40/<40	-	Day: demolition - demolition of buildings in the station approach.	B	1	G3	T	H	-	-	-	-		
700160	Kentish Town Road, London	61/70	<40/<40	-	Day: bridge number 29 A400 Camden Street underbridge - site preparation works (phase 1).	B	2	G3	T	H	-	-	-	-		
700160	Kentish Town Road, London	61/70	-	-	Day: bridge number 29 A400 Camden Street underbridge - site preparation works (phase 1).	B	10	G5	T	H	-	-	-	-		
700169	Camden Road, London	<40/47	<40/<40	-	Day: Camden Road station viaduct - finishes.	B	1	G3	T	H	-	-	-	-		
700169	Camden Road, London	<40/47	<40/<40	<35/<35	Day: Camden Road station viaduct - finishes.	B	1	G4	T	H	-	-	-	-		
700169	Camden Road, London	<40/47	-	-	Day: Camden Road station viaduct - finishes.	B	2	G5	T	H	-	-	-	-		
700178	Royal College Street, London	51/63	-	-	Day: number 72 A503 Camden Road south bridge - site preparation works.	B	10	G5	T	H	-	-	-	-		
700179	Royal College Street, London	43/52	-	-	Day: number 72 A503 Camden Road south bridge - site preparation works.	B	2	G5	T	H	-	-	-	-		
700180	Camden Road, London	52/66	-	-	Day: number 72 A503 Camden Road south bridge - site preparation works.	B	2	G5	T	H	-	-	-	-		
700181	Lyme Street,	<40/47	-	-	Day: North London Line Viaduct - finishes.	B	9	G5	T	H	-	-	-	-		

Assessment location		Impact criteria				Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect		
		Day 0700-1900	Evening 1900-2300	Night 2300-0700												
	London															
700182	Jamestown Road, London	<40/49	-	-	Day: bridge number 1 Chalk Farm Road underbridge north - construction works - substructure.	B	19	G5	T	H	-	-	-	-		
700185	Royal College Street, London	<40/47	<40/<40	<35/<35	Day: bridge number 94 A5205 St Pancras Way/Baynes Street - site preparation works.	B	1	G2	T	-	-	-	-	-		
700185	Royal College Street, London	<40/47	-	-	Day: bridge number 94 A5205 St Pancras Way/Baynes Street - site preparation works.	B	14	G5	T	-	-	-	-	-		
700186	Pratt Street, London	<40/45	-	-	Day: bridge number 94 A5205 St Pancras Way/Baynes Street - site preparation works.	B	1	G5	T	H	-	-	-	-		
700193	Royal College Street, London	<40/48	-	-	Day: Camden Road station viaduct - finishes.	B	5	G5	T	H	-	-	-	-		
700194	Rochester Mews, London	40/49	-	-	Day: demolition - demolition of buildings in the station approach.	B	1	G5	T	-	-	-	-	-		
700195	St. Pancras Way, London	<40/48	-	-	Day: Camden Road station viaduct - finishes.	B	3	G5	T	H	-	-	-	-		
700199	Royal College Street, London	42/52	-	-	Day: Camden Road station viaduct - finishes.	B	2	G5	T	H	-	-	-	-		
700200	Farrier Street,	41/52	-	-	Day: North London Line viaduct - site	B	8	G5	T	H	-	-	-	-		

Assessment location		Impact criteria				Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect		
		Day 0700-1900	Evening 1900-2300	Night 2300-0700												
	London				preparation works.											
700203	Rochester Place, London	<40/43	<40/<40	-	Day: North London Line viaduct - site preparation works.	B	1	G3	T	H	-	-	-	-		
700203	Rochester Place, London	<40/43	<40/<40	<35/<35	Day: North London Line viaduct - site preparation works.	B	2	G4	T	H	-	-	-	-		
700203	Rochester Place, London	<40/43	-	-	Day: North London Line viaduct - site preparation works.	B	13	G5	T	H	-	-	-	-		
700206	Kentish Town Road, London	<40/44	-	-	Day: demolition - demolition of buildings in the station approach.	B	30	G5	T	H	-	-	-	-		
700207	Rochester Road, London	<40/40	<40/<40	<35/<35	Day: North London Line viaduct - site preparation works.	B	2	G4	T	H	-	-	-	-		
700214	Camden Road, London	<40/42	<40/<40	-	Day: Camley Street main site - demolition of building.	B	1	G3	T	H	-	-	-	-		
700214	Camden Road, London	<40/42	<40/<40	<35/<35	Day: Camley Street main site - demolition of building.	B	1	G4	T	H	-	-	-	-		
700216	Rochester Square, Cantelowes	<40/42	<40/<40	<35/<35	Day: Camley Street main site - demolition of building.	B	1	G4	T	H	-	-	-	-		
700216	Rochester Square,	<40/42	-	-	Day: Camley Street main site - demolition of	B	1	G5	T	H	-	-	-	-		

Assessment location		Impact criteria				Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect		
		Day 0700-1900	Evening 1900-2300	Night 2300-0700												
	Cantelowes				building.											
700218	Rochester Square, London	<40/46	-	-	Day: Camley Street main site - demolition of building.	B	2	G5	T	-	-	-	-	-		
700219	Agar Grove, London	42/55	-	-	Day: Camley Street main site - demolition of building	B	1	G5	T	H	-	-	-	-		
700223	Murray Street, London	<40/52	<40/<40	<35/<35	Day: Camley Street main site - demolition of building.	B	1	G4	T	-	-	-	-	-		
700223	Murray Street, London	<40/52	-	-	Day: Camley Street main site - demolition of building.	B	10	G5	T	-	-	-	-	-		
700228	Agar Grove, London	<40/45	-	-	Day: Camley Street main site - demolition of building.	B	3	G5	T	H	-	-	-	-		
700240	St. Pauls Mews, London	<40/46	-	-	Day: Camley Street main site - demolition of building.	B	4	G5	T	-	-	-	-	-		
700244	Broadfield Lane, London	<40/51	-	-	Day: demolition - demolition of buildings in the station approach.	B	1	G5	T	H	-	-	-	-		
700254	Randells Road, London	<40/42	<40/<40	-	Day: Camley Street main site - demolition of building.	B	1	G3	T	-	-	-	-	-		
700397	Camden Road,	83/85	-	-	Day: number 72 A503 Camden Road south	B	15	G5	T	H	-	-	D 4	-	*	

Assessment location		Impact criteria			Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L_{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect	
		Day 0700-1900	Evening 1900-2300	Night 2300-0700											
	London				bridge - site preparation works.										
700398	Camden Street, London	52/64	-	-	Day: bridge number 29 A400 Camden Street underbridge - site preparation works (phase 1).	B	7	G5	T	H	-	-	-	-	
709508	Georgiana Street, London	<40/48	<40/<40	<35/<35	Day: Camley Street main site - demolition of building.	B	1	G4	T	H	-	-	-	-	
709509	Bartholomew Road, London	<40/42	<40/<40	<35/<35	Day: demolition - demolition of buildings in the station approach.	B	1	G4	T	H	-	-	-	-	
720236	Juniper Crescent, London	76/81	-	-	Day: diaphragm wall.	B	4	G1	T	-	-	-	D 5	-	CSV02-No4
720236	Juniper Crescent, London	76/81	-	-	Day: diaphragm wall.	B	4	G5	T	-	-	-	D 5	-	*
720240	Castlehaven Road, London	<40/49	-	-	Day: Chalk Farm viaduct - site preparation works.	B	1	G5	T	-	-	-	-	-	
720243	St. Pancras Way, London	<40/49	<40/<40	<35/<35	Day: bridge number 94 A5205 St Pancras Way/Baynes Street - site preparation works.	B	1	G2	T	-	-	-	-	-	
720243	St. Pancras Way, London	<40/49	-	-	Day: bridge number 94 A5205 St Pancras Way/Baynes Street - site preparation works.	B	1	G5	T	-	-	-	-	-	

Assessment location		Impact criteria				Significance criteria										Significant effect
ID	Area represented	Typical/highest monthly outdoor L _{pAeq} [dB] at the façade			Construction activity resulting in highest forecast noise levels	Type of effect	Number of impacts represented	Type of receptor	Receptor design	Existing environment	Unique feature	Combined impact	Impact duration [months]	Mitigation effect		
		Day 0700-1900	Evening 1900-2300	Night 2300-0700												
720245	St. Pancras Way, London	51/61	-	-	Day: no 83 Randolph Street north underbridge - site preparation works.	B	6	G5	T	-	-	-	-	-		
720248	Agar Grove, London	49/60	<40/<40	-	Day: no 83 Randolph Street north underbridge - site preparation works.	B	1	G3	T	-	-	-	D 9	-	*	
720248	Agar Grove, London	49/60	<40/<40	<35/<35	Day: no 83 Randolph Street north underbridge - site preparation works.	B	2	G4	T	-	-	-	D 9	-	*	
720254	Camden High Street, London	45/55	-	-	Day: demolition - demolition of buildings in the station approach.	B	57	G5	T	-	-	-	-	-		
898989	Albert Street, London	70/78	<40/<40	-	Day: utility trenching - utility works on each utility corridor.	B	1	G3	T	-	-	-	D 2	-	*	
898989	Albert Street, London	70/78	<40/<40	<35/36	Day: utility trenching - utility works on each utility corridor; and Night: bridge construction - installation of temp supports, trusses and precast planks.	B	1	G4	T	-	-	-	D 2	-	*	
898989	Albert Street, London	70/78	-	-	Day: utility trenching - utility works on each utility corridor.	B	9	G5	T	-	-	-	D 1	-	*	

Airborne sound: indirect effects

- 4.3.8 No impacts have been predicted as the result of construction traffic in this area.

4.4 Assessment of significant effects

Residential receptors: direct effects – individual dwellings

- 4.4.1 Taking account of the avoidance and mitigation measures set out in the previous paragraphs, approximately 34 residential buildings are forecast to experience noise levels higher than the noise insulation trigger levels as defined in the draft CoCP. For daytime construction the trigger level is 75dB⁵, or the existing ambient if this is already above this level. The equivalent night-time trigger level is 55dB, or the existing ambient if this is already above this level. The buildings previously referred to in this paragraph are as follows:
- one building (two dwellings) on Castlehaven Road represented by Assessment Location 529961; the daytime criteria are exceeded for approximately three months due to activities associated with the Chalk Farm viaduct site preparation works.
 - 16 buildings (32 dwellings) on the A503 Camden Road represented by Assessment Location 700011 and 700397; the daytime criteria are exceeded for approximately two to four months due to activities associated with the Camden Road north and south underbridge site preparation works.
 - two buildings (12 dwellings) Baynes Street represented by Assessment Locations 700018 and 700015; the daytime criteria are exceeded for approximately eleven months due to activities associated with the Baynes Street south underbridge site preparation works.
 - six buildings (six dwellings) on Randolph Street represented by Assessment Locations 700016 and 700014; the daytime criteria are exceeded for approximately six to seven months due to activities associated with the Randolph Street north underbridge site preparation works.
 - one building (11 dwellings) on Wrotham Road represented by Assessment Location 700019; the daytime criteria are exceeded for approximately one year and eight months due to activities associated with the St Pancras Way bridge works.
 - five buildings (10 dwellings) on A502 Chalk Farm Road represented by Assessment Location 700035; the daytime criteria are exceeded for approximately one year and two months due to activities associated with the HS1 to HS2 tunnel portal access route works.
 - one building (two dwellings) on Agar Grove represented by Assessment Location 700396; the daytime criteria are exceeded for approximately four

⁵ Daytime: equivalent continuous sound level, L_{pAeq, 0700-1900h} measured outdoors at the building façade.

months due to activities associated with the Camley Street building demolition works.

- one building (62 dwellings) on Juniper Crescent represented by Assessment Locations 700003, 700004, 700005 and 700033; the daytime criteria are exceeded for approximately six months to one year and two months due to activities associated with piling and diaphragm wall works at the HS1 to HS2 tunnel portal site.
- one building (10 dwellings) on Regents Park Road represented by Assessment Location 700000; the daytime criteria are exceeded for approximately eight months due to activities associated with piling and diaphragm wall works at the HS1 to HS2 tunnel portal site and dismantle of the tunnel boring machine.

4.4.2 The mitigation measures, including noise insulation, will reduce noise inside all dwellings, such that it does not reach a level where it would significantly affect¹ residents.

Residential receptors: direct effects – communities

4.4.3 The avoidance and mitigation measures in this area will avoid airborne construction noise adverse effects¹ on the majority of receptors and communities. Residual temporary noise or vibration effects are identified later in this section.

4.4.4 The assessment takes into consideration the time of day that noise will be generated: noise at night is assessed against a more stringent criterion than that in the evening; and that in the evening against a more stringent criterion than that created during the day.

4.4.5 With regard to noise outside dwellings, the assessment of temporary effects takes account of construction noise relative to existing sound levels.

4.4.6 In locations with lower existing sound levels⁶, construction noise adverse effects are likely to be caused by changes to noise levels outside dwellings. These may be considered by the local community as an effect on the acoustic character of the area and hence be perceived as a change in the quality of life. These effects are considered to be significant when assessed on a community basis taking account of the local context⁶.

4.4.7 Significant construction noise or vibration effects have been identified on the following residential receptors:

⁶ Further information is provided in Volume 5: Appendix SV-001-000.

Table 3: Likely significant construction noise and vibration effects on communities and associated facilities

Significant effect number	Type of significant effect	Time of Day	Location	Cause (construction activities)	Assumed duration of impact and details
CSV02-Co1	Construction noise	Daytime	Approximately 60 dwellings on the A503 Camden Road.	Camden Road North bridge: site preparation, works. Typical and highest monthly noise levels of 70dB and 80dB ⁷ .	One month
CSV02-Co2	Construction noise	Daytime	Approximately 75 dwellings on Baynes Street, A5202 St Pancras Way and Wrotham Road.	North London Line viaduct: site preparation, substructure and finishes works. Typical and highest monthly noise levels of 67 to 68dB and 77 to 79dB.	One to seven months
CSV02-Co3	Construction noise	Daytime	Approximately nine dwellings on Randolph Street.	North London Line viaduct: site preparation, substructure and finishes works. Typical and highest monthly noise levels of 66dB and 78dB.	Three months to one year
CSV02-Co4	Construction noise	Daytime	Approximately 20 dwellings on A502 Chalk Farm Road.	Chalk Farm Road bridge: site preparation, substructure and finishes. Typical and highest monthly noise levels of 81dB and 83dB	Nine months
CSV02-Co5	Construction noise	Daytime	Approximately 15 dwellings on Agar Grove.	Camley Street main site: building demolition. Typical and highest monthly noise levels of 70 to 76dB and 73 to 79dB.	Four months
CSV02-Co6	Construction noise	Daytime	Approximately eight dwellings on the A400 Kentish Town Road.	Camden Street bridge: site preparation and substructure.	Four months
CSV02-Co7	Construction noise	Daytime	Approximately 120 dwellings on Juniper Crescent.	HS1 to HS2 link tunnel portal: piling and diaphragm wall construction. Typical and highest monthly noise levels of 88dB and 89dB.	Seven months
CSV02-Co8	Construction noise	Daytime	Approximately 20 dwellings on Regent's Park Road.	HS1 to HS2 link tunnel portal: piling and diaphragm wall construction. Typical and highest monthly noise levels of 73dB and 77dB.	Six months

⁷ Daytime: equivalent continuous sound level at the facade, L_{pAeq, 0700-1900}

CSV02-C09	Construction Noise	Daytime	Approximately 20 dwellings on Hawley Road	Demolition of adjacent residential block at Hawley Wharf.	Six months
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- 4.4.8 A construction noise impact has been predicted at residential properties along Springbank Walk, represented by Assessment Location 700237. Due to additional screening from a large brick wall on the opposite side of the railway cutting, noise levels at residential properties will be reduced and will not cause a significant effect at the residential properties on Springbank Walk.
- 4.4.9 Further interrogation of the noise model and predicted noise levels at residential properties demonstrate there will not be a significant effect at residential properties at Barker Drive, represented by Assessment Location 700026. Initially the model had assumed the demolition works were closer than they actually are. On further inspection, with the increased distance the predicted levels will be reduced below the assessment criteria.
- 4.4.10 A construction noise impact was predicted at residential properties on Albert Street represented by Assessment Location 898989. These are impacted by noise from utilities works carried out in the road which will be carried out for less than a month, therefore the impact is too short to be a significant effect or to trigger noise insulation as defined in the draft CoCP.
- 4.4.11 At Assessment Location 529961 it has been identified that two dwellings are forecast to experience noise levels higher than the noise insulation trigger levels as defined in the draft CoCP (CSV02-Do1). Taking into account the number of dwellings subject to these noise levels a significant effect has not been identified.

Residential receptors: indirect effects

- 4.4.12 Significant noise effects on residential receptors arising from construction traffic are unlikely to occur in this area.

Non-residential receptors: direct effects

- 4.4.13 On a worst case basis, significant construction noise or vibration effects have been identified on the following non-residential receptors:
- offices in Bruges Place located Baynes Street (CSV02-No1). Significant noise effects have been identified during the daytime with noise levels rising at times to 79dB⁵. The duration of this effect is approximately three months in 2021 during the construction of the Randolph Street Bridge;
 - shops located along the A502 Chalk Farm Road (CSV02-No2). Significant noise and vibration effect has been identified during the daytime with noise levels rising at times to 85dB⁵. The duration of this effect is approximately nine months in 2020 during the construction of the Chalk Farm Road Bridge;
 - offices located on Castlehaven Road (CSV02-No3). Significant noise and

vibration effect has been identified during the daytime with noise levels rising at times to 84dB⁵. The duration of this effect is approximately three months in 2018 during the construction of the Chalk Farm Viaduct;

- The Roundhouse located on the A502 Chalk Farm Road (CSV02-No4). Significant noise and vibration effect has been identified during the daytime with noise levels rising at times to 83dB⁵. The duration of this effect is approximately six months in 2017 during the construction of the HS1 to HS2 Link tunnel portal; and
- Hawley Primary School, (CSV02-No5). Significant noise and vibration effect has been identified during the daytime over a period of approximately two months in 2018 during the demolition of a residential block of the Hawley Wharf development. This development has not yet been constructed as such, the assessment of works required for demolition have been assessed through qualitative judgement accounting for the proximity of sensitive receptors to the works.

- 4.4.14 A construction noise impact was predicted at commercial premises located on Camden Road, represented by Assessment Locations 700011 and 700397. The reported noise level represents the worst affected floor which is the second floor. The commercial receptors are situated on the ground floor and will be subject to a reduced noise level reaching 64dB⁵; this is within the assessment criteria and as such does not result in a significant effect.
- 4.4.15 A construction noise impact was predicted at offices located on Chalk Farm Road near The Roundhouse, represented by Assessment Location 720236. The offices are situated further from the works than the assessment location and will be subject to a reduced noise level due to screening from The Roundhouse building and the further distance. The noise levels are therefore expected to be within the assessment criteria and as such this does not result in a significant effect.
- 4.4.16 A construction noise impact was predicted at Tenants and Residents Association Hall and Camden Road Surgery represented by Assessment Location 720248. These are both situated further from the works than the assessment location and will be subject to a reduced noise level due to screening from surrounding buildings and the further distance. The noise levels are therefore subject to a reduced noise level reaching 49dB⁵; this is within the assessment criteria and as such this does not result in a significant effect.
- 4.4.17 A construction noise impact was predicted on Albert Street at Friends of the Hebrew University, Ort House Conference Centre and offices represented by Assessment Location 898989. These are impacted by noise from utilities works carried out in the road which will be carried out for less than a month, therefore the impact is too short to be a significant effect.

Non-residential receptors: indirect effects

- 4.4.18 Significant noise effects on non-residential receptors arising from construction traffic are unlikely to occur in this area.

Cumulative effects from the Proposed Scheme and other committed development

- 4.4.19 This assessment has considered the potential cumulative construction noise effects of the Proposed Scheme and other committed developments⁸. In this area, there is no development that would be built at the same time as the Proposed Scheme and accordingly, construction noise or vibration from the Proposed Scheme is unlikely to result in any significant cumulative noise effects.

⁸ Refer to Volume 5: Appendix CT-004-000